# WINONA STATE UNIVERSITY NOTIFICATIONS

Department _Ma	athematics and Statistics		Date1/24/2014	
If the proposed curricu Regulation 3-4, <i>Policy</i>	lar change involves existing courses for Changing the Curriculum, for c	and is considered a Notification, complete information on submitti	complete and submit this form. Refer to ng proposals for curricular changes.	
Please check type of ch Reduction in course Change in course tit Change in prerequis	e number Change in grading opti	on Change in hours or coription* Change in existing noter within level, e.g. 310 to 350	redits in an independent study course najor, minor, option, concentration, etc.*Change in delivery method	
A. Current Course In	nformation			
MATH120	Precalculus		4	
Course No.	Course Title		Credits	e:
This proposal is for a(n	)x Undergraduate Course	e Graduate	e Course	
Applies to	MajorMin			+ 10
	Required Elective	Required Elective		
PrerequisitesQ	ualifying score on the mathematics p	placement exam or MATH 115 -	College Algebra.	
Grading	Grade only	P/NC only	x Grade and P/NC Option	
Frequency of offering	Every semester			
Proposed Course Infor	mation. (Please indicate only propos	sed changes below.)		
Course No.	Course Title		Credits	
Prerequisites				
Grading	Grade only	P/NC only	Grade and P/NC Option	
Frequency of offering				
Effective date (normall	y the next semester)			
and proposed cour	se description. If the proposal reque change(s) requested and list both the	sts a change in an existing major.	of the change requested and list both the curr , minor, option, concentration, etc., please att stings.	ent tach a
Approved by the Depar		My -	3/4/14	
	Department Chair	1.0.	Date	
	e-mail address	ale Winoma. edu	<u></u>	
Notification to the Coll	ege Dean Yes No	. 10	alimlin	
his :	Charles	Murtella 1	3117114	
100	Dean of College	ALIMNI	Date	
Presented at A2C2 mee	eting on T19117 Date	Chair of A2C2		
Presented at Graduate (	Council			
meeting on (if applicab		Chair of Graduate Council		
Submitted to Registrar	on 4/10/14	Registrar: Please notify de	epartment chair via e-mail that	
*If a dean has commen	Date ts on a notification, the dean shall fo	Notification has been reco rward the comments to the depar		

Current Catalog Description	Annotated Changes Catalog Description	Proposed Catalog Description
MATH 120 - Precalculus (4 S.H.)	MATH 120 - Precalculus (4 S.H.)	MATH 120 - Precalculus (4 S.H.)
A study of topics designed to give students the skills necessary for successful completion of calculus. Equation solving, graphing, functions, and trigonometry are some of the main topics covered. Meets GOAL 4. Prerequisite: Qualifying score on the mathematics placement exam or MATH 115 - College Algebra.	A study of topics designed to give students the skills necessary for successful completion of MATH 212 (Calculus I). Emphasis is on equation solving, symbolic/algebraic manipulation, and graphing of rational, exponential, logarithmic and trigonometric functions, and trigonometry are some of the main topics covered. Meets GOAL 4. Prerequisite: Qualifying score on the mathematics placement exam or MATH 115 - College Algebra.	A study of topics designed to give students the skills necessary for successful completion of MATH 212 (Calculus I). Emphasis is on equation solving, symbolic/algebraic manipulation, and graphing of rational, exponential, logarithmic and trigonometric functions. Meets GOAL 4. Prerequisite: Qualifying score on the mathematics placement exam or MATH 115 - College Algebra.

and

deets

Die GC Stor

place

Sec.

Winona State University - Department of Mathematics & Statistics
Minutes of the Department Meeting on 1/24/14

**Present:** Joyati Debnath, Brant Deppa (chair), Jeff Draskoci-Johnson, Eric Errthum, Tisha Hooks, April Kerby, Steve Leonhardi, Chris Malone, Mike Markegard, Barry Peratt, Sam Schmidt, Samuel Tsegai, Aaron Wangberg, Nicole Williams, Lee Windsperger

### **Announcements:**

1. April Kerby's materials for tenure and promotion are available for your review. Comments and votes & comments should be turned into Kim by next Friday, January 31<sup>st</sup>.

## **New Business**

Note: All of the items below were considered after the department waived the 40-hour rule without objection.

## Motions from the Statistics Subgroup

1. STAT 100 - new course proposal and GEP proposal

The new STAT 100 course proposal and GEP proposal were approved without objection.

2. New program: B.S. Data Science (DSCI) major, minor, and courses

(i) The department approved two versions of the major, both without objection. The Math department indicated a preference for Version 2, but voted to accept Version 1 if Computer Science preferred that one. Chris was directed to submit whichever one Computer Science preferred. (Their discussion was still pending as of our meeting.)

(ii) The minor was approved without objection, also with the understanding that Computer Science might want to edit certain courses in the elective list.

(iii) All new courses associated with the proposed data science major were approved without objection. These include DSCI 210, DSCI 310, DSCI 395, DSCI 488, DSCI 492, and DSCI 495.

(iv) The notifications for the conversion of STAT 325 to DSCI 325 and STAT 425 to DSCI 425 were approved without objection.

3. Program revisions: B.S. Statistics (STAT) major, minor, and courses

(i) All revisions, both to the major and to the minor were approved without objection.

(ii) STAT 395 and STAT 495, i.e. the analogous courses to DSCI 395 and DSCI 495, were approved without objections.

Supporting documentation for items 1-3 above were sent to the department by Tisha Hooks (STAT 100) and Chris Malone (DSCI and STAT programs) via e-mail (01/22/14).

#### 4. Notifications re: STAT

The following notifications seek Departmental approval. 1) In Spring, 2013, the department voted to make STAT 310 the prerequisite for a number of upper-division STAT courses. Either this paperwork was not submitted, or got lost. 2) The note in the course description for STAT 305 was corrected to read STAT 305 instead of Math 305. 3) A notification to edit course description slightly and to allow ECON 222 to serve as a possible prerequisite for STAT 310. 4) Include DSCI 210 as a prerequisite for STAT 370.

The department approved the submission/resubmission of all of these notifications.

#### 5. Notifications re: MATH courses

The following notifications were submitted for departmental approval.

- (i) A change in course title for MATH 112 from "Modeling with Functions" to "Applied Precalculus"
- (ii) A change in the catalog description of MATH 112. (See the catalog language at the end of these minutes.)
- (iii) A change in number for MATH 140 to MATH 132 AND a change in prerequisites from "MATH 112 Modeling with Functions, MATH 115 College Algebra, or MATH 120 Precalculus" to "MATH 112 Applied Precalculus, MATH 115 College Algebra, or MATH 120 Precalculus"
- (iv) A change in the catalog description of MATH 132. (See the catalog language at the end of these minutes.)

The department approved all of these changes without objection.

## 6. Proposal re: MATH 117 from Steve, Barry, and Jeff

The department approved without objection the proposal to submit MATH 117 as a new course and also the proposal to submit it as a GEP course under Goal 4. Since the Math Subgroup had not had a chance to vote on the committee's work, the department waived normal procedures without objection. (The documents were handed out in the meeting.)

Secretary's note: If there is any confusion at to what, exactly, the department agreed to in Items 1-6 above, I can supply copies of the A2C2 paperwork upon request. Summaries of the proposals re: data science and statistics are attached below.

# 7. Adjourn